

**ABSTRACT**

**IMPROVEMENTS IN OR RELATING TO ROUTING DEVICES**

The invention relates to a router device (200) having a plurality of ingress line interface cards (LICs) (212, 214, 216, 218), a plurality of egress LICs (222, 224, 226, 228)), a backplane (230) and a controller (240). Transmission of signals from the ingress LICs (212, 214, 216, 218) to the controller (240) and likewise the transmission of signals from the controller (240) to each of the ingress LICs (212, 214, 216, 218) and each of the egress LICs (222, 224, 226, 228) takes place across the backplane (230). Each ingress LIC (212, 214, 216, 218) is provided with a dedicated timeslot in which it can send information to the controller (240) via connection (242). Information is sent in a slice within the dedicated timeslot and each egress LIC (222, 224, 226, 228) ignores data sent by a given ingress LIC within the timeslot assigned to said ingress LIC. A similar system is used for transmission of communications from the controller (240) to the LICs. It is thus possible to avoid provision of additional, dedicated communications paths between the LICs (ingress and egress) and the controller (240).

(Fig. 2)

FOUO 93135350